A-dec Autoclavable Syringe
Quick Start Guide

About the Autoclavable Syringe

Your Autoclavable Continental or Autoclavable Easy-Clean Syringe is a three-way air and water syringe featuring a patented quick-disconnect autoclavable tip system.

Optional Configurations

Locking Syringe Tip Retainer Assembly

The syringe tip may be locked in place, allowing it to be used for cheek retraction, when the locking syringe tip retainer assembly option has been ordered.

Heated Syringe Water

Warm water may be delivered through the syringe, eliminating the discomfort that can be caused by spraying cold water on sensitive tissues, when either the circulating warm water or heated syringe tubing option has been ordered.

Quick Disconnect Syringe Terminal

The syringe head may be removed from the syringe tubing without shutting the delivery system unit off when the quick disconnect syringe terminal option has been ordered.

Tubing Considerations

WARNING Use only A-dec syringe tips. A-dec syringe tips have been engineered and manufactured for use with A-dec syringes. Using syringe tips manufactured by a company other than A-dec can result in syringe tip ejection.

Your syringe is packaged with two specially designed A-dec syringe tips. These tips have three grooves and a distinguishing “O” or “I” and an A-dec “a” marking.

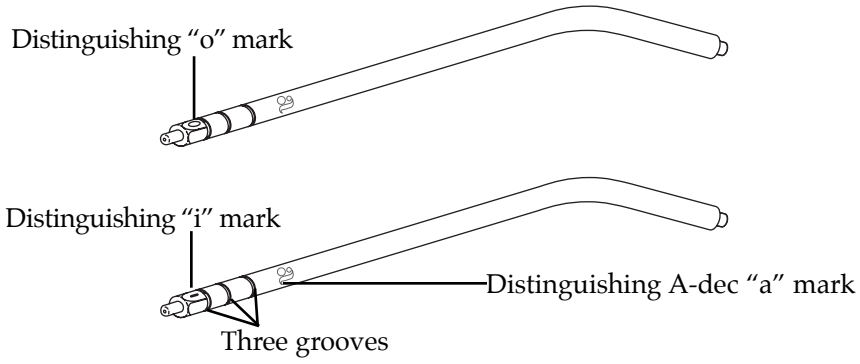

Figure 1 Locating the distinguishing marks on the A-dec syringe tips.

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How to Install an A-dec Syringe Tip

To ensure that the syringe will perform properly, it is important that you install the tip correctly. The table describes how to install a syringe tip.

Table 1 Installing a Syringe Tip

Step	Action
1	Push the syringe tip into the syringe tip retainer assembly. As you push the tip in you will feel two "clicks" as O-rings inside the syringe tip retainer assembly slide into the grooves. If you do not feel two "clicks" when installing the syringe tip, do not use the syringe. The O-rings inside the syringe tip retainer assembly are damaged and may allow the syringe tip to be ejected. The syringe tip retainer assembly must be repaired before using the syringe. When properly installed, none of the grooves on the A-dec syringe tip are visible.
2	After installing a tip, point the syringe at the floor and press the air button several times to be sure the tip is properly installed. An improperly installed A-dec syringe tip allows water to enter the air tubing in the syringe tip.
3	To remove the A-dec syringe tip, pull it straight out of the syringe tip retainer assembly.

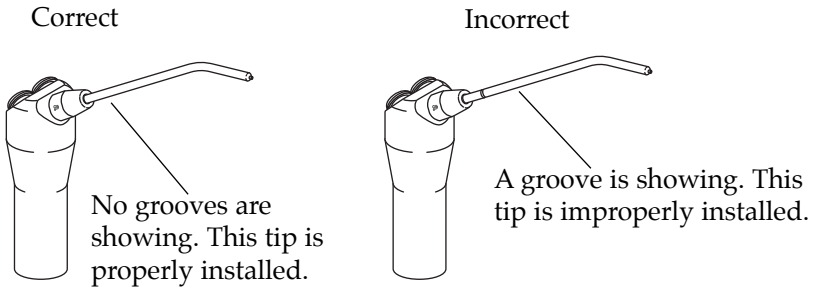
Correct
Incorrect
No grooves are showing. This tip is properly installed.
A groove is showing. This tip is improperly installed.

Figure 2 Correct and incorrect installation of a syringe tip can be identified by whether grooves are evident on the tip.

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Locking Syringe Tip Retainer

Your syringe tip rotates to spray in different directions. However, if you use your syringe tip for cheek retraction and you have the hex-shaped syringe tip retainer nut, you may prefer to adjust the tip so that it does not rotate easily.

CAUTION: Tighten the syringe tip retainer assembly nut by hand or with the plastic wrench provided. Over tightening the nut will make it more difficult to remove the syringe tip later—use only as much force as needed to keep the syringe tip from rotating easily.

Be sure the hex portion of the syringe tip retainer assembly is loose before installing an A-dec syringe tip. If you attempt to force the tip into the syringe tip retainer assembly, you will damage the internal collect of the retainer and make it difficult or impossible to properly install a tip, remove a tip, or use your syringe.

Never tighten the syringe tip retainer assembly nut when a syringe tip is improperly installed. The internal collect will be crushed making removal of the tip difficult and proper installation of a new tip impossible.

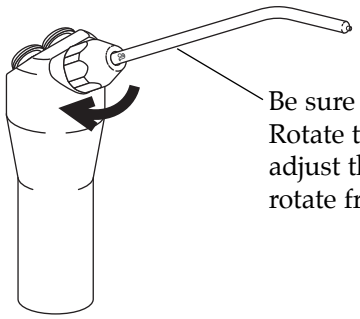
Be sure the tip is properly installed.
Rotate the nut counterclockwise to adjust the tip so that it does not rotate freely.

Figure 3 Eliminate tip rotation by rotating the nut.

Adjusting and Removing the Syringe Tip

To adjust the installed syringe tip so that it does not rotate easily, simply tighten the hex portion of the syringe tip retainer assembly. Tighten only until you cannot easily rotate the tip.

To remove the A-dec syringe tip, turn the tip retainer nut counterclockwise until it turns easily, no more than a 1/4 turn. Then pull the A-dec tip straight out of the syringe tip retainer.

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Asepsis

All syringe tips are considered critical items and must be heat sterilized between patients. The tables describe how to pre-clean and sterilize the syringe.

WARNING: When cleaning syringe tips, do not use cleaning solutions which contain ammonia or amines. These chemicals are harmful to the brass syringe tips and can cause possible damage and tip ejection.

Table 2 Pre-Cleaning Syringe

Step	Action
1	Remove the syringe head and tip from the syringe terminal.
2	If the threads on the syringe head appear dirty, gently brush the threads free of debris using a nylon or brass bristle brush. To ease the removal and assembly of the syringe head and the syringe nut, periodically check the threads on the syringe head for accumulated debris.
3	Remove the syringe tip for sterilization.
4	Immerse the tip in an appropriate holding solution until ready for ultrasonic cleaning.
5	Clean the syringe tips ultrasonically. Follow the instructions provided by the manufacturer of your ultrasonic cleaning equipment.
6	Purge all cleaning agents from the syringe and syringe tips by vertically holding under running water.

Table 3 Sterilization of Syringe and Tip

Step	Action
1	Rinse the syringe and syringe tips in clear water.
2	Use a dispensing bottle to flush isopropyl alcohol or Harvey's Vapo-Steril® through the tips.
3	Sterilize **syringe tips** using the methods of steam autoclave, dry heat, or chemical vapor (275°F [135°C] maximum temperature). Sterilize the **syringe** using the methods of steam autoclave or chemical vapor (275°F [135°C] maximum temperature). **CAUTION:** Sterilizing equipment at higher temperatures will reduce the seal life of the O-rings.

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